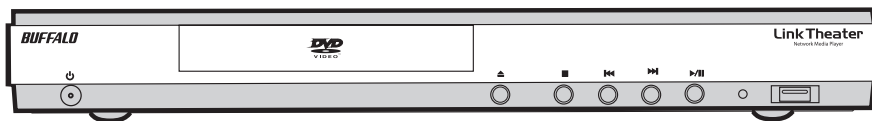


LinkTheater™

PC-P3LWG/DVD



BUFFALO™

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Safety

Using this Safety Guide

In order to use this guide correctly, the meaning of the notations and symbols used are described below.

Notations and Symbols

Caution Mark



Items to which you must pay attention when handling the product. Failure to follow this mark may result in personal injury and/or damage the equipment.

Reference Mark



Refers to the related subject page.

For your safety, please be sure to follow the instructions given below:

To prevent unexpected injury to yourself or others, or damage to the equipment, be sure to follow all the safety precautions given below. To use the LinkTheater correctly, first read these precautions and make sure that you understand the contents. After reading, be sure to store this manual in a safe place so that you can refer to it if necessary.

This manual contains instructions concerning the general operation of the computer system to which the Linktheater is connected, as well as those concerning the LinkTheater itself.

Please note that our warranty will not cover any damage or failures of the computer, the loss or corruption of data, or damage to the LinkTheater due to misuse.

Meaning of Notations and Symbols

Meaning of Notations



Danger

Indicates a hazardous situation, which, if not avoided, runs a high risk of death or serious injury.

Caution

Indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

Warning

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate personal injury and/or damage to the equipment.

Meaning of Symbols



This symbol indicates warnings and cautions e.g. electric shock warning



This symbol indicates actions that must not be performed (prohibited actions)



This symbol indicates actions that must be performed (essential actions)

Danger



Prohibited

When handling batteries

Do not disassemble or remodel.
Do not place a metal wire between the + and – pads. Do not carry with a hairpin or necklace.
Do not place in the fire or overheat.
Do not pierce with a nail, hit with a hammer or stamp down.
Or heat will be generated and the battery will ignite and explode.

Warning



Prohibited

When handling batteries

Do not disassemble, remodel, repair or charge.
Do not use a new and a used battery or two batteries of a different make together.
Do not mistake the + and – nodes when inserting the battery.
Do not leave used batteries in the device.
Or heat will be generated and the battery will ignite and explode.



Contact
Prohibited

When a battery leaks do not touch the liquid.

The liquid that leaks from a battery may burn. If the liquid gets on skin or clothing wash with clean water. If the liquid gets in your eye, wash with clean water immediately and seek medical treatment.



Strongly
Recommended

When changing the batteries, only used those which have been specified.

Using batteries other than that specified may result in the leakage of fluid, and the battery may ignite and explode.



Strongly
Recommended

Make sure to observe the instructions of the computer and peripheral manufacturers when installing and using the LinkTheater.



Disassembly
Prohibited

Do not attempt to disassemble or repair the LinkTheater.

This may result in fire or electric shock



Prohibited

Using the device with a different voltage such as may exist overseas, may result in a short circuit, smoke or fire.

Only insert the plug into a 100V (50/60Hz) AC socket.



Strongly
Recommended

Insert the AC adapter firmly into the AC Socket.

Using the equipment without the AC Adapter firmly inserted may cause a short circuit or overheating, or result in fire or electric shock.



Prohibited

Do not damage, process, overheat, or attempt to repair the power supply cable, as this may result in fire or electric shock.

- When installing the equipment, do not crimp the power supply cable between walls and racks (shelves) etc.
 - Do not place heavy objects on the power supply cable, or pull at the cable.
 - Do not place the power supply cable close to heat sources, or overheat the cable in any way.
 - When removing the power supply cable, be sure to remove it by holding the plug.
 - Do not bend the cable past its natural bending radius.
 - Do not move the LinkTheater while the power supply cable is still connected.
- If the power supply cable is damaged consult your dealer.



Strongly
Recommended

Install the equipment in a location where children cannot reach the interior of the electrical equipment, cables, or connectors.

Failure to do so may result in injury.



A small child should only use the LinkTheater under supervision of an adult.



Do not handle the equipment with wet hands.

This may result in electric shock if the LinkTheater is connected to the AC power supply. Even when connected it may cause internal damage to the LinkTheater.



If you see smoke or there is a strange smell or sound, remove the plug from the AC power supply socket.

Continuing to use the device under these conditions may result in a short circuit, fire, or electric shock. Consult with your dealer immediately.



Do not use the LinkTheater in bathrooms or other locations with a lot of water or humidity. Using the device under these conditions may result in fire or electric shock .



If the product is dropped or subjected to a severe shock, remove the AC adapter immediately.

Continuing to use the device under these conditions may result in a short circuit, fire, or electric shock. Consult with your dealer immediately.



If liquid or foreign matter enters the equipment, remove the plug from the power socket.

Continuing to use the device under these conditions may result in a short circuit, fire, or electric shock. Consult with your dealer immediately.



Do not look straight at the Laser Beam.

Do not peer into or open the casing and look straight at the Laser light, as it may be hazardous for your sight.



To Prevent damage due to static electricity, before touching the equipment, first touch a nearby metal object (such as a door handle or metal window blinds) to discharge any static electricity from your body.

Static electricity from your body may result in damage to the equipment.



Only use the power cable and AC adapter provided with the LinkTheater.

The polarity and voltage of the terminal may differ between makes. Which may result in smoke and fire.

Caution



Please remove the battery if not using the LinkTheater over a long period.

The battery may leak, which would dirty the device and may cause damage to it, or cause a fire.



Do not use the LinkTheater if there has been a leakage of battery fluid.

Continuing to use the device under these conditions may result in a fire, or electric shock. Consult with your dealer immediately.



Carefully read the manuals provided by the manufacturers of all other products used (i.e. PC).



Do not install the LinkTheater in the following locations, as doing so may result in an electric shock or fire, or may adversely affect the equipment.

- Locations with strong magnetic fields (may result in damage).
- Locations with static electricity (may result in damage).
- Locations prone to vibration (may result in damage).
- Locations that are not level (may result in rolling, falling, or injury).
- Locations in direct sunlight (may result in damage or deformation).
- Locations close to fire or subject to heating (may result in damage or deformation).
- Locations where there is a danger of current leakage (may result in damage or electric shock).
- Locations where there is a danger of water leakage (may result in damage or electric shock).



Before installing or uninstalling the LinkTheater make sure to create backup files of all hard disk data to another media (MO disk, floppy disk etc.).

When making any change to the PC environment there is always a possibility that the data on the hard disk may be lost or corrupted, therefore it is always advisable to create a backup. Buffalo will not be held responsible for loss or corruption of hard disk data.



Please remove any dust or dirt from the head of the connectors and do not touch with your hands.

Dirt on the connector may cause damage.



Do not place any heavy object on top of the LinkTheater.

Doing so may damage the LinkTheater.



Care for CD or DVD media.

- Do not expose to direct sunlight
- Do not use abrasive or solvent cleaners use a slightly damp, soft, lint-free cloth to remove spots, dust, or fingerprints. Always wipe from the center to the outer edges and never wipe in a circular motion.
- Do not use adhesive labels or write on the disk with a pencil or ballpoint pen.
- Store discs in a cool, dry, dust free place.
- Handle the disc only by the outer edge or inner hole, to keep fingerprints and smears from the surface.
- Store discs in protective storage cases to avoid scratches or damage while carrying.



Do not used scratched or damaged media.

Using such media may result in damage to the LinkTheater.



Please take care not to damage the reflective side of the media.

- Do not scratch the top (label surface) of the CD or DVD.
- Do not stack uncovered CDs or DVDs on top of each other.
- Do not write on the label side with a ballpoint pen or any hard object.
- Do not use adhesive labels.



Do not move the LinkTheater with a CD or DVD inside.

Do not move the LinkTheater while still operating or while a CD or DVD are inside.

Doing so may cause damage to the media or the LinkTheater. Before moving the LinkTheater make certain to switch it off and unplug the power.



Regularly clean the lens.

Dust and cigarette smoke may adhere to the lens causing poor reading quality or may prevent writing to the media Use a cleaning kit to clean the lens regularly.



Do not use abrasive or solvent cleaners.

Use a soft cloth when cleaning the LinkTheater. If very dirty, use a slightly damp cloth to remove any dirt.



Please follow local regulations when discarding the LinkTheater.

Refer to local rules and regulations for the appropriate method to discard the contents of this product.

Introduction

Buffalo Technology's **LinkTheater PC-P3LWG/DVD Wireless High-Definition Media Player** integrates your computer network to your TV or home entertainment center. Digital media can be streamed from a number of sources on your network and/or computer peripherals to the LinkTheater. LinkTheater will allow you to enjoy your movies, music, and photos from your living room.

The LinkTheater can connect to your home's wired or wireless network. Using 54* Mbps 802.11g technology, the LinkTheater can wirelessly connect to your home's 802.11b or 802.11g network (802.11g recommended for best experience). Additionally, Buffalo Technology's AOSS™ technology has been incorporated allowing for push button wireless setup with other AOSS™ compatible wireless routers and access points. There are two internal wireless antennas which will help to maximize performance of the LinkTheater; however, an external antenna connector is available for extending performance and range even further. In addition to wireless, a RJ-45 wired Ethernet port is also available for quick 100 Mbps wired connections.

The LinkTheater has a wide variety of AV connections on the back, including high-end, High-Definition compatible video connectors as well as digital Dolby™ 5.1 and DTS compatible audio connectors. LinkTheater also supports Universal Plug & Play for an easy user experience.

Most of the industry's most popular video, image, and audio formats are supported by LinkTheater. LinkTheater includes support for the following file types:

Video: AVI, DAT, MPEG 1, MPEG 2, MPEG 4, DivX, Xvid, WMV, WMV 9, DivX HD, WMV HD, VOB, ASF
Image: JPEG, JPEG2000, BMP, GIF, PNG, TIF
Audio: MP3, WMA, WAV, OGG Vorbis, AIFF, PLS, M3U

Prepare to experience one of the most versatile, highest quality media players available. Buffalo Technology's LinkTheater will provide seamless access to your multimedia archives.

High-Definition:

The LinkTheater supports playback on high-definition displays. If a high-definition display is being used, all of the media file playback is automatically upconverted to high-definition (720p or 1080i). This results in enhanced image and video quality over a standard player on high-definition displays. Additionally, the menu and browsing displays are displayed in high-definition for a richer user experience. Unlike most other media players, the LinkTheater also supports playback of true, native high-definition video files like DivX HD and WMV HD.

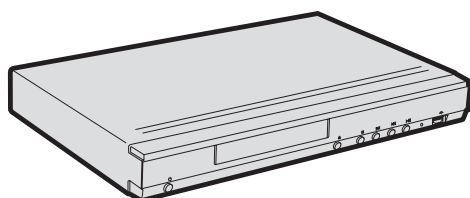
NOTE: Due to the requirements of the DVD Consortium and MPAA, DVD Video playback is limited to 480p (Progressive Scan) and therefore is not upconverted to 720p or 1080i.

*54 Mbps is the IEEE 802.11g standard theoretical maximum data transfer rate. Actual wireless network data transfer speed is limited by environmental and system factors and will be less.

Package Contents

The LinkTheater package should include the following items.
If any items are missing contact your retailer or reseller:

- ▶ LinkTheater - 1



- ▶ Remote Control - 1



- ▶ AAA Batteries - 2



- ▶ CD-ROM - 1



- ▶ Power Cable - 1



- ▶ Manual (This Guide) - 1

- ▶ Ethernet Cable - 1



- ▶ Warranty Card

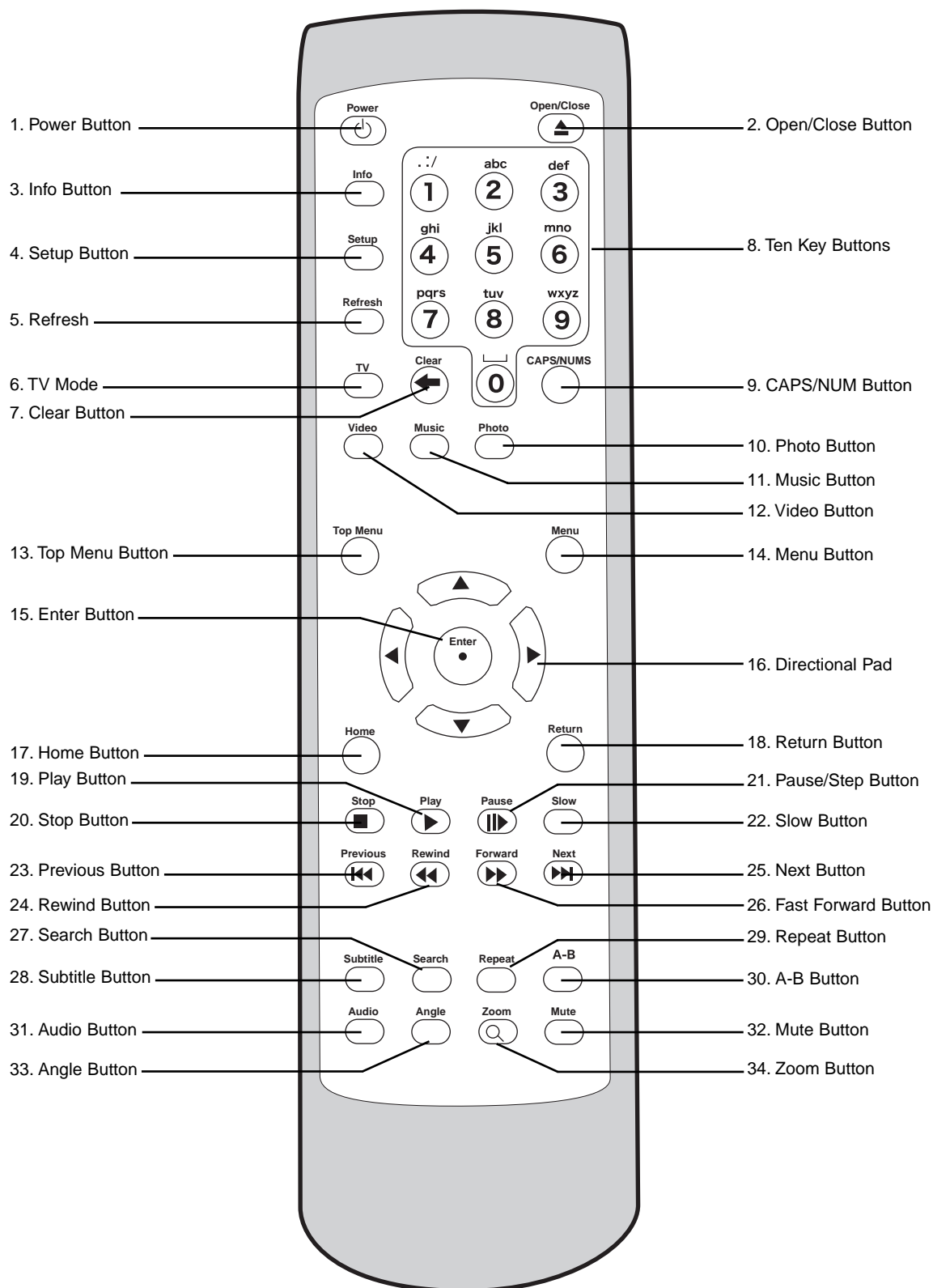
- ▶ AV (Composite Cables) - 1



System Requirements

- ▶ Television with one of the following connectors:
 - Video: Composite (RCA), S-Video, Component Video, D4
 - Audio: Composite (RCA), Coaxial Digital, Optical Digital
- ▶ A wired or wireless network (802.11b or 802.11g)
- ▶ One or more of the following media sources:
 - Windows 98SE/ME/2000/XP PC with a CD-ROM or DVD-ROM Drive
 - PC with 500 MHz or above is recommended
 - LinkStation Network Storage Center
 - With at least version 1.46 firmware (firmware update program included on the CD-ROM)
 - TeraStation Network Storage Center
 - USB Hard Drive
 - USB Multi-Card Reader
 - USB Memory Stick
 - CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R, DVD-RW, DVD+R, DVD+RW

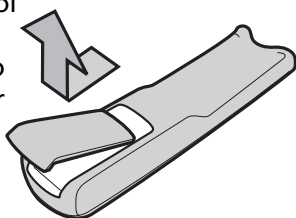
Remote Control



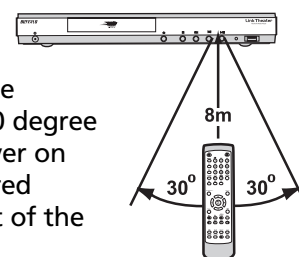
Remote Control

1. **Power Button** – Turns the LinkTheater on and off.
2. **Open/Close Button** – Opens and Closes the LinkTheater's DVD Drive Door
3. **Info Button** – Provides on-screen info when viewing or playing a file
4. **Setup Button** – Setup options for LinkTheater configuration
5. **Refresh** – Refreshes the information and file list on the screen
6. **TV Mode** – Toggles the different TV modes, the modes are as follows
 - a. Composite/S-Video (Default Setting)
 - b. 480i Component Video / D4
 - c. 480p Component Video / D4 (Progressive Scan)
 - d. 720p Component Video / D4 (HDTV)
 - e. 1080i Component Video / D4 (HDTV)
 Toggle the proper TV Mode button by pressing TV Mode and then the 'Enter' button until the proper display is visible on your screen. Depending on which cables are used on a TV, there may be times where the screen remains black; in this case, continue to press the 'TV Mode' button followed by the 'Enter' button until the proper, visible display is found.
7. **Clear Button** – Clears the last text or numerical entry
8. **Ten Key Buttons** – Used for character input. Press the numbers multiple times to begin using alphabetic characters. Press the '1' key multiple times to access punctuation marks and press the '0' key to insert a space.
9. **CAPS/NUM Button** – Press once to lock Ten Key entry to all capital letters, press again to lock Ten Key entry to numeric entry only, press again to return to normal Ten Key entry operation.
10. **Photo Button** – Press the Photo Button to list only available image files on the display.
11. **Music Button** – Press the Music Button to list only available audio files on the display.
12. **Video Button** – Press the Video Button to list only available video files on the display.
13. **Top Menu Button** – Access the Top Menu in DVD Video Playback
14. **Menu Button** – Access the Menu in DVD Video Playback
15. **Enter Button** – Selects a file for playback, selects a field for input, confirms on screen messages
16. **Directional Pad** – Selects the proper content on the display.
17. **Home Button** – Returns the LinkTheater to the Log In/Home menu
18. **Return Button** – Returns the display to the previously viewed screen.
19. **Play Button** – Plays a file, starts a slide show
20. **Stop Button** – Stops file playback, stops a slide show
21. **Pause/Step Button** – Pauses file playback, press again to step one frame forward
22. **Slow Button** – Begins slow motion playback, press multiple times to increase slow motion effect
23. **Previous Button** – Skips one chapter back in DVD playback
24. **Rewind Button** – Rewinds playback, press multiple times to increase rewind speed
25. **Next Button** – Skips one chapter ahead in DVD playback
26. **Fast Forward Button** – Fast forwards playback, press multiple times to increase fast forward speed
27. **Search Button** – Displays search menu in DVD playback
28. **Subtitle Button** – Activates subtitles in DVD or supported file playback. Press multiple times to cycle through available subtitles
29. **Repeat Button** – Repeats DVD, CD, or file playback
30. **A-B Button** – Repeats a user defined segment of CD or DVD playback. Press once to mark the beginning of the playback, press again to mark the end of playback, press a third time to loop and repeat the segmented playback area.
31. **Audio Button** – Cycles through the available audio playback modes including Mono and Stereo playback.
32. **Mute Button** – Mutes the LinkTheater's audio output. Press once to mute, press again to turn mute off.
33. **Angle Button** – In DVD playback press this button to change DVD disc angle (on multi-angle DVD discs). In photo playback or slide shows, press the Angle button to rotate the photos display by 90 degrees.
34. **Zoom Button** – Zooms the display in a variety of ways. If video or DVD playback appears as a small window, use the Zoom button to make the display fit to screen or operate in full screen mode.

Insert the included AAA batteries into the remote control by sliding the battery cover off of the remote control (as shown in the illustration). Insert both AAA batteries into the battery sockets the proper way, following the etched guide underneath the battery sockets.

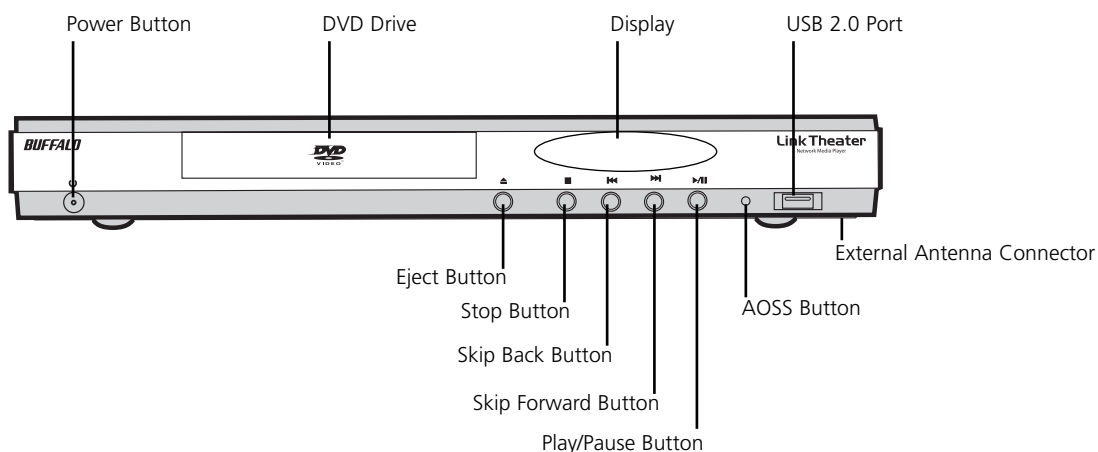


This illustration shows the angle and distance maximums for the remote control. The remote control must be within a 60 degree angle of the infrared receiver on the LinkTheater. The infrared receiver is located just right of the LED display.

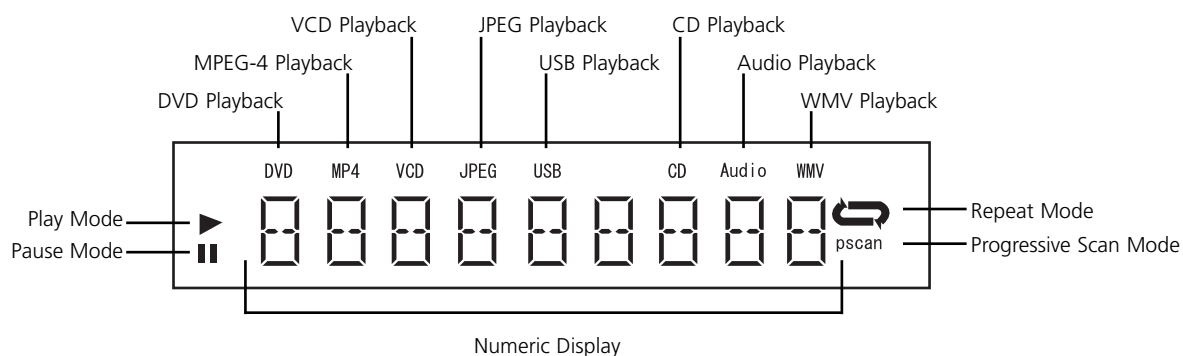


Hardware Diagrams

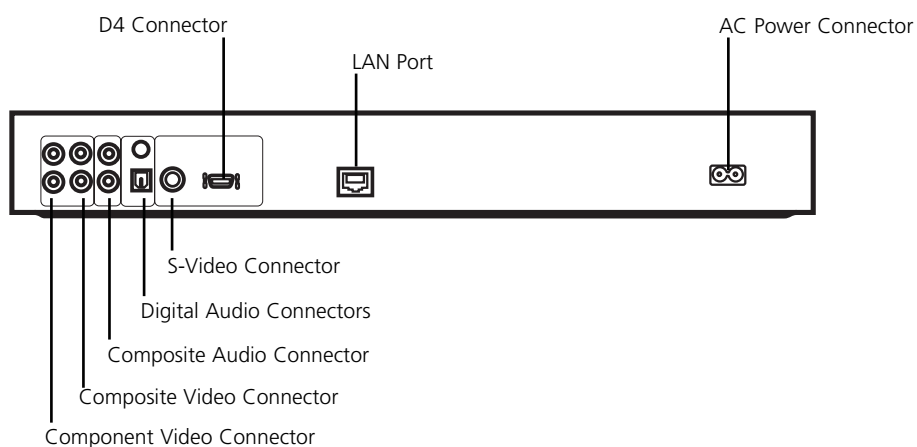
Front Panel



LED Display



Rear Panel



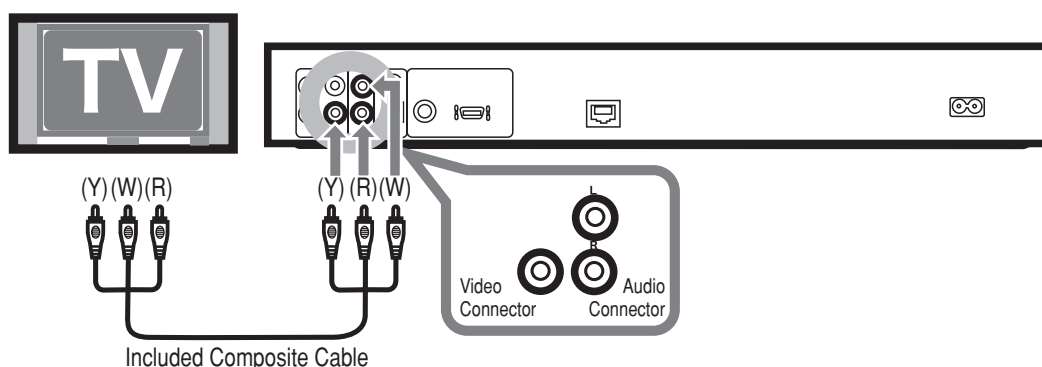
Connecting LinkTheater to the Display

Please follow the illustrations below to connect LinkTheater to the display. There are three methods of connecting video and three methods of connecting audio. LinkTheater came with a Composite (RCA) cable that will connect LinkTheater to a display. If you prefer to utilize other connectors, please purchase the proper cables and install them following the diagrams below. It is important to note that any combination of audio and video connectors can be used and not all combinations are illustrated below. Please consult your sound receiver's and/or your display or television's user manuals to determine the best set of connectors to use.

Please begin by connecting the included AC Power cable into the AC In port on the back of LinkTheater. Then, plug the AC Power cable into a power outlet. If you are using an Ethernet cable to connect your LinkTheater into your network, then plug the CAT5 Ethernet Cable into the Ethernet port on the back of LinkTheater.

Setup Using Composite Video:

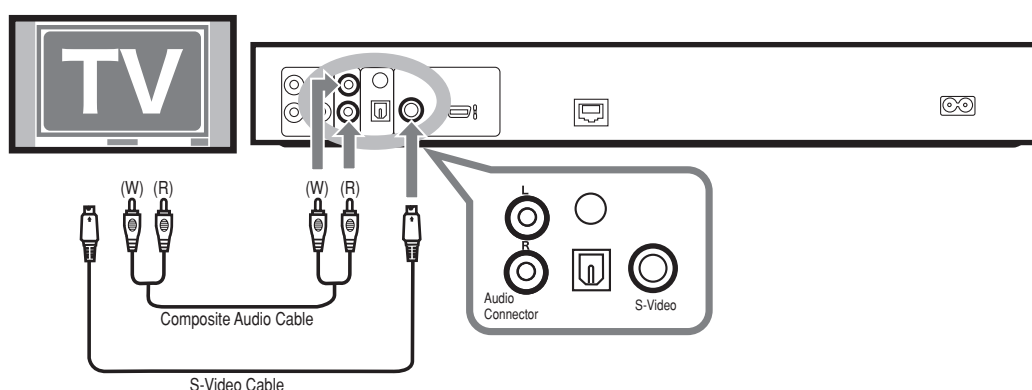
TV Mode: The default TV Mode will be used when using the composite video connector.



Setup Using S-Video:

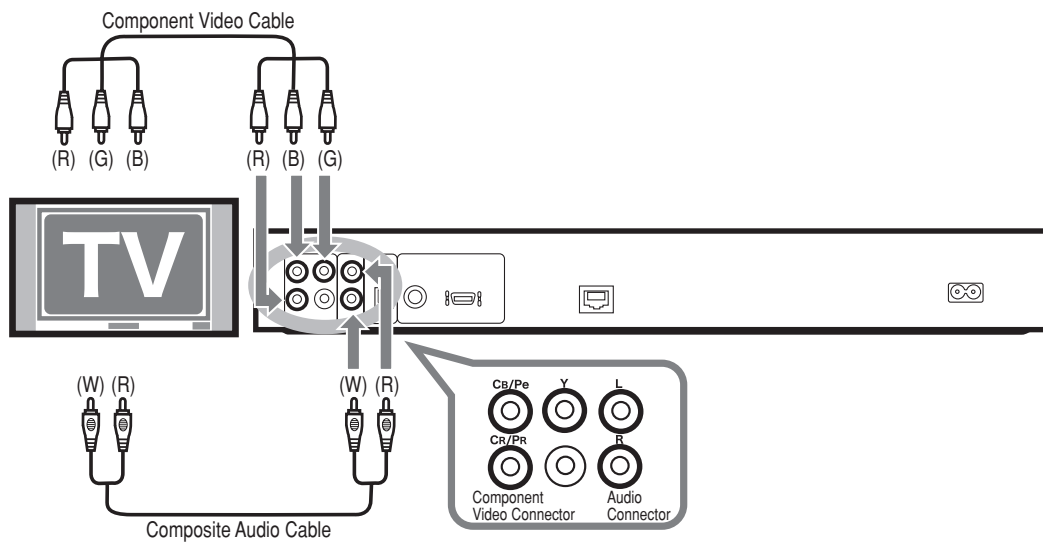
NOTE: The included composite cable can be used for this setup, just use the red and white audio connectors only. The yellow composite video connector can be left unplugged on both the LinkTheater and the display or TV.

TV Mode: The default TV Mode will be used when using the S-Video connector.



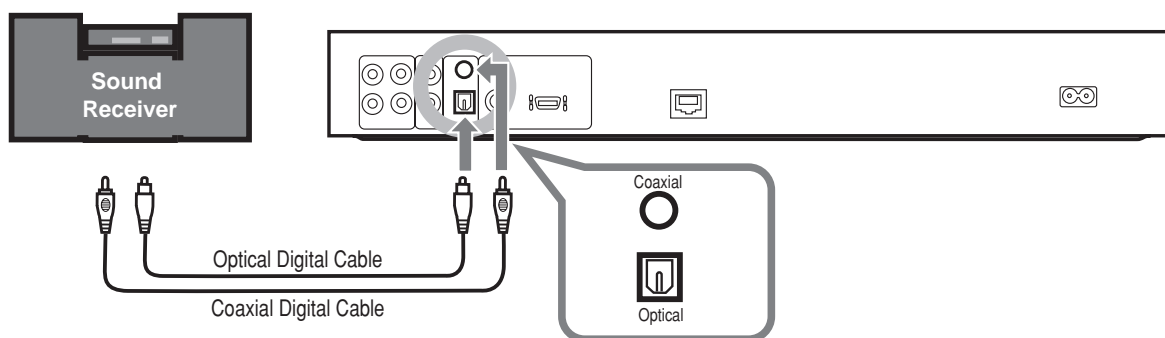
Setup Using Component Video:

TV Mode: The default TV Mode will not work when connecting the LinkTheater via Component Video. The next section will cover how to get your display working with Component Video cables.



Setup Using Digital Audio:

If using an external sound receiver, please connect the appropriate digital cable from LinkTheater to the sound receiver via a compatible cable. The options will need to be setup in the LinkTheater main option's settings to complete the digital audio setup. Please continue reading to the next page to continue setting up LinkTheater.



Configuring LinkTheater Settings

Now that LinkTheater is connected to power and your display or TV, you can begin configuring it. Start by powering on your display or TV, select the right TV input mode (refer to the display or TV's documentation to determine this), and press the Power button on the front of LinkTheater or press the 'POWER' button on the remote control. The LED Display should light up immediately and say BUFFALO. If it does not, please check that LinkTheater is plugged into a working power outlet and that the batteries in the remote control are good and installed correctly.

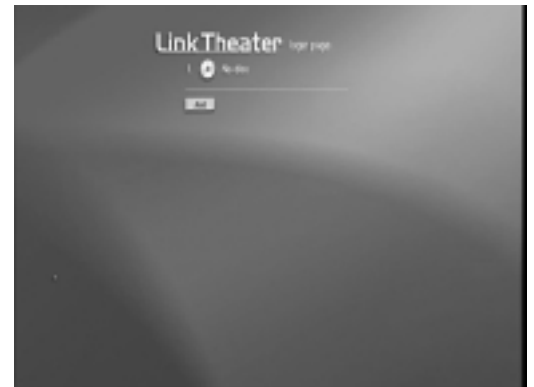
Once LinkTheater has turned on, the LED Display will read LOG IN. If you are using Composite Video or S-Video you should see a picture on your display or TV. If you are using Component Video you will need to follow the next step.

Component Video Mode:

Press the 'TV MODE' button on the remote control followed by the 'ENTER' button on the remote control. The display should appear as 'Component NTSC'. Press the 'TV MODE' button again followed by the 'ENTER' button to enter additional modes (480p, 720p, and 1080i). If you cycle too far, LinkTheater may select a mode that is not compatible with your display or TV. In this case, repeat the 'TV MODE' button followed by the 'ENTER' button until the proper display is chosen.

Now that everything is hooked up and operating properly, the Log In screen will be visible on your display or TV.

Press the 'SETUP' button on the remote control to begin configuring LinkTheater.



There are five setup pages within LinkTheater, use the remote control's directional pad to navigate between the five graphical icons inside the Setup area. Use the 'ENTER' button on the remote control to select one of the five setup pages.



Each setup page contains settings for different LinkTheater functionality. Please read through the five setup page summaries:

Option Settings Menu

Screen Saver – Specify the amount of time required before LinkTheater begins displaying its default screen saver. Certain displays or TVs can burn-in if the same image is left on for too long. The screen saver helps protect the display or TV from this burn-in.

Slide show Timer – The default time between slides when running a photo or image slide show off of the LinkStation, the USB Port, or the DVD Drive.

Dimmer – Specifies how bright the LED Display on the front of LinkTheater should be. There are three settings (100%, 50%, and OFF). 100% is the brightest display level, while OFF makes the display invisible.

Subtitle – Specify the default subtitle language for LinkTheater. This applies only where applicable subtitles are available (like DVD or VCD playback). If you do not wish to use subtitles, then select the subtitles to be Off. If you ever need to quickly enable subtitles, the 'SUBTITLE' button on the remote control can quickly enable or disable subtitles.

Browser Option – Specify whether or not to run the LinkTheater browser in High-Definition. This setting should typically only be checked if you are running a TV or Display that is High-Definition (720p or 1080i). It greatly enhances the way the menus and browsers look while operating the LinkTheater. After this option is enabled, LinkTheater will have to be restarted before the setting takes effect.

NOTE: Some 480p progressive scan displays may benefit from enabling this option.

Once all of the settings on this page have been applied, press the 'Save' button. You may be prompted to restart LinkTheater; please do so if prompted.



DVD Settings Menu

VCD PBC – Specifies whether VCD playback control is enabled. In most cases this setting should be set to 'On'.

DVD Parental Level – Specifies whether DVD parental control is activated or not and to what degree. Some DVDs enforce parental management levels, allowing players to play only DVDs that meet specific requirements. The settings are as follows:

- Off – Do not enforce any parental control
- 1 – Acceptable for children of all ages (Typically G Rated Movies)
- 2-3 – Acceptable for elementary children (Typically PG Rated Movies)
- 4-7 – Acceptable for middle school and high school children (Typically PG13 Rated Movies)
- 8 – Acceptable for adults (Typically NC-17 and R Rated Movies)



TV Type – Select the aspect ratio that pertains to your TV or display. 16:9 is specified for wide-screen TVs or displays while 4:3 is a conventional TV or display.

Auto Play – Specifies whether LinkTheater will automatically play DVDs or VCDs upon being inserted into the DVD Drive. If turned off, you will be required to select the DVD Disc option from the main Log In screen whenever you want to play a DVD. Additionally, if a DVD or VCD Movie is in the DVD Drive upon LinkTheater startup, it will automatically begin playing. If this is not desirable operation then turn Auto Play off.

Audio Setting – Specifies whether to use composite audio or digital audio input. If you installed composite video cables then leave this setting at **'Stereo Output'**. If you used a Coaxial or a Optical digital audio cable then please select the AC3 5.1 output; this allows for Dolby 5.1 surround sound and DTS surround sound playback support.

Set Password – Password protect the DVD Parental controls. This prevents an unauthorized user from changing the DVD Parental controls.

Once all of the settings on this page have been applied, press the **'Save'** button. You may be prompted to restart LinkTheater, please do so if prompted.

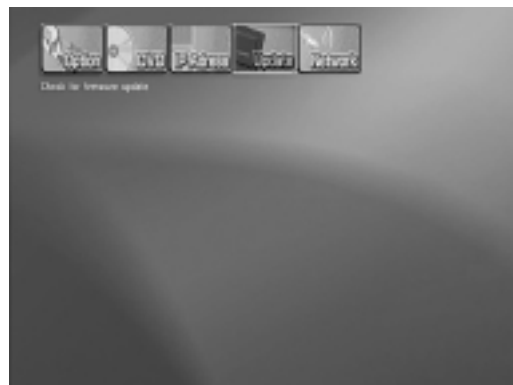
IP Address Settings Menu

This setup page displays your current IP Address setup depending on your network. By default, DHCP is used to automatically select an IP Address for you. Some advanced users may want to specify their own address and can do so by pressing the **'Switch to Manual'** button.



Update Settings Menu

This setup page allows you to check for updates to the LinkTheater firmware and software. Click the **'Check for firmware update'** text and you will begin the process of locating and applying a firmware update. This option requires a network connection that connects to the Internet. Only apply firmware updates if you have been told to do so by Buffalo Technology's Technical Support or are positive that a firmware update is required. Updating a firmware on a device improperly can cause unexpected behavior.



Network Settings Menu

Now Using – Displays whether you are currently using Wired or Wireless network functionality.

Network – Select Wired or Wireless depending on how you wish to connect to your network. If you make a change to this field you will be required to reboot. After you make a change to this field, immediately press the **'Save'** button below, allow LinkTheater to reboot, and then return to this page to continue your network configuration. If you are using wireless and wish to install an optional external antenna, please see the section labeled **'External Wireless Antenna Installation'**.

AOSS – Specifies whether Buffalo Technology's AOSS will work on this product. AOSS is a wireless technology and will only work if the network mode is set to Wireless. If both Wireless and AOSS are on, then the AOSS button on the front of LinkTheater will work. AOSS requires an AOSS compatible access point or router; it will not work with non-AOSS compatible access points or routers. Please see the next section labeled 'Using AOSS' for more information regarding AOSS.



Available – Provides a list of wireless networks available in the area. Only access points or wireless routers that broadcast SSIDs will be displayed here. Once you select the proper wireless network, press the '**Select**' button.

SSID – This field displays the SSID that LinkTheater is specified to connect to. SSIDs can be manually inputted here in the event that they are hidden. The SSID can automatically be filled in by using the '**Available**' option above.

Connection – Specifies whether to use Infrastructure or Ad-hoc mode. Infrastructure networks are more common and is the recommended setting.

WEP – Specifies whether WEP encryption is used on the wireless network. If used, please select the proper input mode from the drop down menu or follow the guide below.

WEP 64 ASCII = 5 digit WEP key
WEP 64 HEX = 13 digit WEP key
WEP 128 ASCII = 10 digit WEP key
WEP 128 HEX = 26 digit WEP key

WEP Key – Manually enter the wireless network's WEP key if it has one. If it does not have one, then leave this field blank.

Once all of the settings on this page have been applied, press the '**Save**' button. You may be prompted to restart the LinkTheater, please do so if prompted.

Congratulations, the LinkTheater has been fully configured. Press the '**HOME**' button on the remote control to return to the Log In screen. You can now begin using your LinkTheater to play multimedia files.

Using AOSS

Please skip this section if you do not wish to use AOSS or do not have an AOSS compatible wireless router or access point.

Using the documentation that came with your AOSS wireless router or access point, press the AOSS button on your wireless router or access point until the AOSS light begins to flash on that device. Then, press the AOSS button on the front of LinkTheater until AOSS begins flashing on the LED Display. The AOSS session may take up to two minutes to complete, once completed, LinkTheater will display a prompt that states the AOSS process is complete. You will be required to restart LinkTheater before all of the settings apply. If you receive an error message, please try the process again or contact our free 24x7 Technical Support.

External Wireless Antenna Installation

The LinkTheater utilizes two internal diversity antennas for use with the internal 802.11g wireless radio. In some cases it may be necessary to add a higher gain external antenna. If the signal appears weak between the LinkTheater and your wireless router or access point, an external antenna can be used to help increase the range and/or signal quality.

The LinkTheater has an MC Card antenna connector on it. Thus, any antenna with an MC Card connector on it will work with the LinkTheater. For best fit and finish, Buffalo Technology's indoor antennas are recommended. Please visit the Buffalo Technology Web Site (<http://www.buffalotech.com>) for more information regarding Buffalo Technology antennas.

Installing an antenna is easy. Follow the documentation that was included with your antenna and plug the antenna into LinkTheater's antenna connector which is located on the underside of the unit. The connector is located underneath where the USB Port resides.



Standard Controls and Important Tips (MUST READ)

Operating the LinkTheater is generally an easy task. However, due to the extensive feature set, there are some common usage tips that are extremely helpful. Please read through the list of tips as it will make operating the LinkTheater much easier:

- ▶ At any menu screen, pressing the '**HOME**' button on the remote control will return you to the starting Log In page. If you are playing a file of some sort and wish to return to the Log In page, please press the '**STOP**' button and then the '**HOME**' button.
- ▶ The '**RETURN**' button will typically bring you back to the page you were at previously. If you accidentally browse to the wrong area, the '**RETURN**' button will quickly return you to the originating screen.
- ▶ The '**REFRESH**' button will immediately refresh all of the data on the current screen. If multimedia files have been moved, reorganized, or deleted, a quick refresh will show the changes immediately. Also, on the main Log In screen, the refresh button will show new computers and devices available to LinkTheater.
- ▶ When playing a video or music file, the '**MUTE**' button on the remote control will immediately shut down all audio output from the LinkTheater. Pressing the '**MUTE**' button once again will un-mute the LinkTheater and resume audio playback at the original volume level.
- ▶ Due to the differences in video file format sizes, some video file playback may appear to play in a smaller than usual window. In this event, pressing the '**ZOOM**' button on the remote control will cycle through several different enhancing modes. Continue pressing the '**ZOOM**' button until the optimal view setting is found.

Remembering these simple tips will help make your LinkTheater experience easier and more enjoyable. Please return to this page to review these tips once you have completed your LinkTheater setup.

The Log In Screen

The Log In screen is the screen LinkTheater defaults to after start up. It is also the only screen that gives you access to all of your computers and devices. If at any time you wish to return to the Log In screen, press the **'HOME'** button on the remote control; if you are playing back a media file, then press the **'STOP'** button first.

The LinkTheater uses UPnP (Universal Plug 'N Play) technology to automatically add computers and devices to the Log In screen. Unless UPnP has been intentionally disabled on a device, you may be required to add a computer or device manually. In most cases this step is not necessary and the computer or device will automatically appear on the Log In screen.

Computers or devices that are presently on will be displayed next to a teal colored bullet. Computers or devices that are presently off will be displayed next to a dull grey colored bullet. The last computer or device you accessed will be displayed with a picture of a home in the bullet.



To manually add a computer or device to LinkTheater, press the **'Add'** button on the Log In screen. Use the remote control's directional pad to navigate to the **'Add'** button and then press the **'ENTER'** button on the remote control.

The next screen will guide you through adding a computer or device to the LinkTheater:

Media Server Name – Enter an appropriate name to identify this computer or device on the Log In screen.

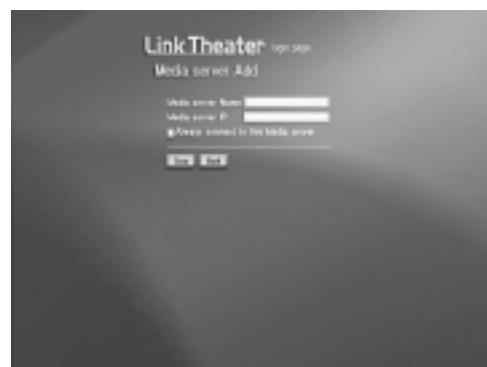
Media Server IP – Enter the IP Address of the media server you wish to connect to. Refer to your computer's operating system documentation or your device's documentation to help you determine the IP Address.

Always connect to this Media Server – Checking this box will inform LinkTheater to always manually add this Media Server every time it starts up.

When you have completed inputting the entry, press the **'Save'** button.

If a computer or device is on the Log In screen that is no longer necessary it can be removed by pressing on the **'Delete'** button. Use the remote control's directional pad to navigate to the **'Delete'** button and then press the **'ENTER'** button on the remote control.

Check the appropriate computers or devices to be removed and then press the **'Delete'** button. After the computers or devices have been deleted, you will need to press the **'Back'** button to return to the Log In screen.



DVD/VCD Playback

DVD or VCD playback on LinkTheater is very easy, it's much like a stand-alone DVD player. There are two ways to begin DVD or VCD playback:

- 1) If **'Auto Play'** is turned on in the DVD Settings Menu then just inserting a DVD or VCD will begin playback.
- 2) If **'Auto Play'** is not turned on, then you will have to manually launch DVD Playback by following these steps:

Insert the DVD or VCD movie into LinkTheater's DVD Drive. Once it has been inserted, DVD or VCD playback will be available from the Log In page. Press the **'HOME'** button on the remote control. The top icon will be your DVD or VCD movie, select it with the directional pad and press the **'ENTER'** button on the remote control.



Once you select the DVD or VCD with the remote control, playback will automatically begin.

Please refer to the remote control section to learn more about the remote control's features in DVD/VCD playback mode.

To return to the Log In menu, press the remote control's **'HOME'** button after DVD Playback has been stopped.

Progressive Scan Info: The DVD player in LinkTheater is progressive scan compatible. Progressive scan mode will automatically be activated if you are in a supported video mode. Only 480p, 720p, and 1080i are supported progressive scan modes, thus, component video cables are required for progressive scan playback (this is an industry standard). When a progressive scan compatible mode is selected, a **'PSCAN'** icon will be lit up on LinkTheater's LED Display.

To exit back to the main Log In page, press the **'HOME'** button on the remote control after all file playback has been stopped.

DVD/CD File Playback

The DVD Drive inside of LinkTheater can also be used for playing back a variety of multimedia files. The supported disc media are as follows:

CD-ROM	CD-R	CD-RW	DVD-ROM
DVD-R	DVD-RW	DVD+R	DVD+RW

If you have a data CD or DVD that is one of the above media standards, then it can be inserted into LinkTheater's DVD Drive and accessed.

Insert the DVD or CD media disc into LinkTheater's DVD Drive. Once it has been inserted, the disc will be available from the Log In page. Press the '**HOME**' button on the remote control to access the Log In page. The top icon will be your DVD or CD data disc, select it with the directional pad and press the '**ENTER**' button on the remote control.

Once you have accessed the DVD or CD media disc you will be able to browse through any available folders and subfolders using the remote control's directional pad. When you find a music, audio, or video file you would like to play, press the '**ENTER**' button on the remote control.

By pressing the VIDEO, MUSIC, or PHOTO buttons on the remote control you can quickly list only videos, music, or photo files depending on which button you pressed. On cluttered, large directories this may help you locate the specific file you are looking for quicker.

Video Playback

Press the '**ENTER**' button to play a video file on LinkTheater. During the video the '**PAUSE**' button will pause the video's playback (the '**PLAY**' button will resume the video). The '**REW**' and '**FF**' buttons will rewind and fast forward the video. The '**STOP**' button will stop the video playback altogether.

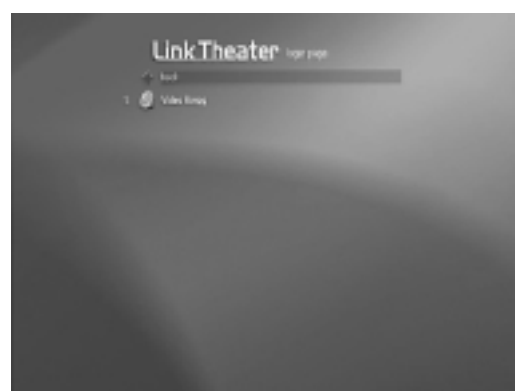
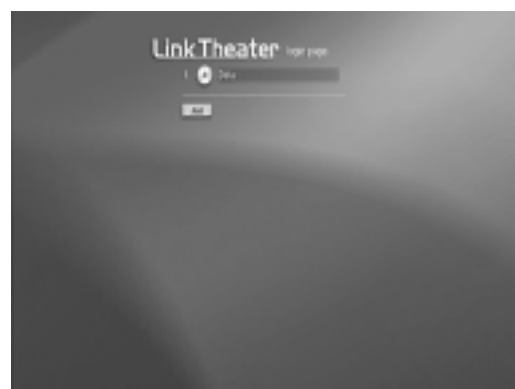
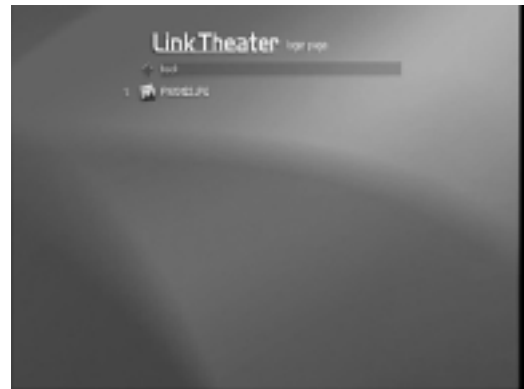


Photo Playback

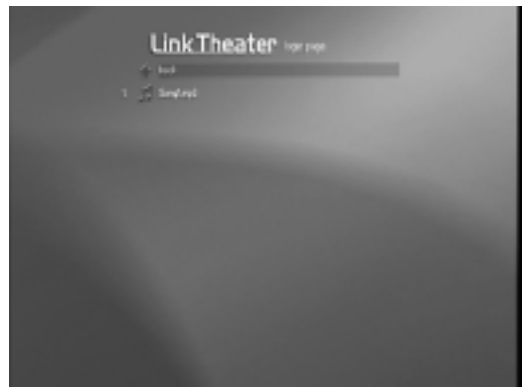
Press the **'ENTER'** button to display a photo on LinkTheater. Press the **'PLAY'** button to play all of the photo files in that directory as a slide show. During the slide show the **'PAUSE'** button can be used to stop a slide show (the **'PLAY'** button will resume the slide show). The up and down arrows on the directional pad can also be used to change slides. The **'STOP'** button will stop the slide show. Additionally, the **'ANGLE'** button on the remote control will rotate an image or photo 90 degrees.



Music Playback

Press the **'ENTER'** button to play a music file on LinkTheater. Press the **'PLAY'** button to play all of the music files in that directory as a playlist. The **'PAUSE'** button can be used to pause music playback (the **'PLAY'** button will resume the playback). The **'PREV'** and **'NEXT'** buttons on the remote control can be used to skip to the next song, and the **'REW'** and **'FF'** buttons can be used to rewind and fast forward a music file. The **'STOP'** button can be used to stop playback altogether.

To exit back to the main Log In page, press the **'HOME'** button on the remote control after all file playback has been stopped.



USB Device Playback

The USB 2.0 Port on the LinkTheater can be used for media playback. Several USB devices can be used for media playback including the following:

USB Hard Drive
Memory Stick USB Keychain
Multi-Card Memory Reader
USB Digital Camera

NOTE: Other USB devices may work as well.

If you have a USB storage device, insert it into the USB port on the front of the LinkTheater. USB Devices can be inserted at any time, the LinkTheater does not have to be turned off to insert or remove a USB Device. Once it has been inserted, the USB device will become available from the Log In page within seconds. Press the 'HOME' button on the remote control to access the Log In page. The USB Device will be listed based off of its name.

NOTE: When using a Multi-Card Reader, multiple USB Devices may be available from the Log In screen, each entry supports a different media format.

Once you have accessed the USB Device you will be able to browse through any available folders and subfolders using the remote control's directional pad. When you find an image, audio, or video file you would like to play, press the 'ENTER' button on the remote control.

By pressing the VIDEO, MUSIC, or PHOTO buttons on the remote control you can quickly list only videos, music, or photo files depending on which button you pressed. On cluttered, large directories this may help you locate the specific file you are looking for quicker.

Video Playback

Press the 'ENTER' button to play a video file on LinkTheater. During the video the 'PAUSE' button will pause the video's playback (the 'PLAY' button will resume the video). The 'REW' and 'FF' buttons will rewind and fast forward the video. The 'STOP' button will stop the video playback altogether.

Note: the USB volume must be FAT16 or FAT32 for it to be read properly by LinkTheater. FAT32 is the default file system for most USB devices.

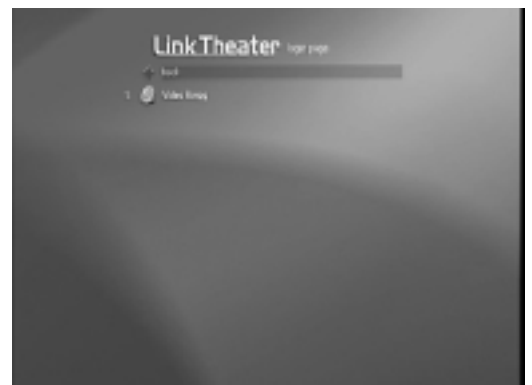
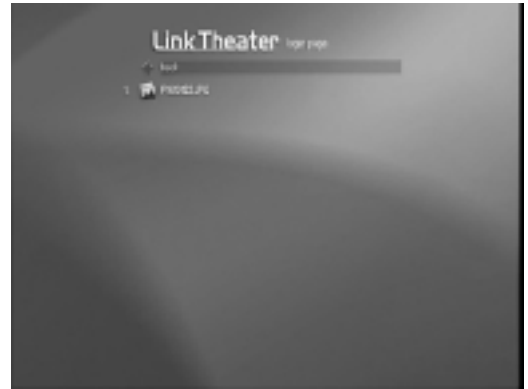


Photo Playback

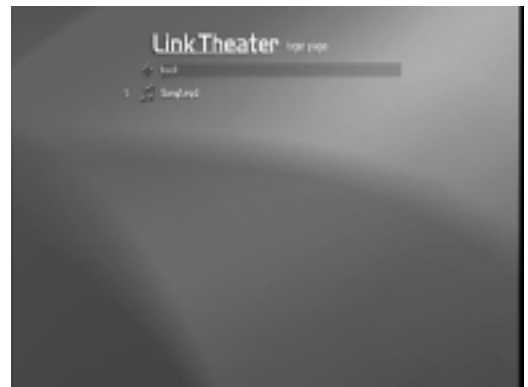
Press the '**ENTER**' button to display a photo on LinkTheater. Press the '**PLAY**' button to play all of the photo files in that directory as a slide show. During the slide show the '**PAUSE**' button can be used to stop a slide show (the '**PLAY**' button will resume the slide show). The up and down arrows on the directional pad can also be used to change slides. The '**STOP**' button will stop the slide show. Additionally, the '**ANGLE**' button on the remote control will rotate an image or photo 90 degrees.



Music Playback

Press the '**ENTER**' button to play a music file on LinkTheater. Press the '**PLAY**' button to play all of the music files in that directory as a playlist. The '**PAUSE**' button can be used to pause music playback (the '**PLAY**' button will resume the playback). The '**PREV**' and '**NEXT**' buttons on the remote control can be used to skip to the next song, and the '**REW**' and '**FF**' buttons can be used to rewind and fast forward a music file. The '**STOP**' button can be used to stop playback altogether.

To exit back to the main Log In page, press the '**HOME**' button on the remote control after all file playback has been stopped.



PC Playback

To playback files from your PC on your LinkTheater you must install Buffalo's LinkTheater PC Software or use Microsoft's Windows Media Connect Software. Buffalo recommends using Buffalo's LinkTheater PC Software for the best playback experience. Windows Media Connect will be required for DRM (Digital Right's Management) protected/copyrighted media. After installing the LinkTheater PC Software, please continue to the Windows Media Connect setup in the next section.

Buffalo LinkTheater PC Software

Requirements to run LinkTheater PC Software:

- ▶ Windows 98SE/ME/2000/XP PC System
- ▶ CD-ROM or DVD-ROM Drive
- ▶ 250 Megs of available Hard Drive space
- ▶ Wired or wireless network connectivity (802.11b or 802.11g)
- ▶ 500 MHz or higher PC is recommended

Installation of Buffalo LinkTheater PC Software

Insert the Buffalo LinkTheater CD into the PC's CD-ROM or DVD-ROM drive. The CD will auto-launch and bring up an on-screen menu. If the CD does not auto launch, press on the 'Start Menu', press the 'Run . . .' option, and type **X:\setup.exe** (where X is the drive letter of your CD-ROM device).

Once the CD-ROM has launched, an on-screen menu will be visible. Please select the, '**Install LinkTheater PC Software**' option and press '**OK**'.



The Setup Wizard for the LinkTheater PC Software will begin. Press the '**Next**' button to continue installation.



Accept the user license agreement by reading the entire license agreement, selecting the **'I accept the agreement'** bullet, and pressing the **'Next'** button.



Read the information and press the **'Next'** button to continue.



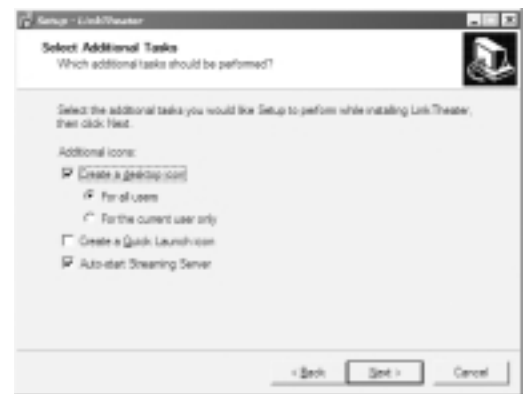
Select the installation directory. The default installation directory is recommended, but if you require a special installation location, please type it in the field or search for it via the **'Browse'** button. Once the proper installation directory has been selected, press the **'Next'** button.



Select the start menu group that will be created by setup. The default start menu group is recommended, but if you want to rename the group, please do so. Additionally, if you'd prefer not to have a start menu group (not recommended), then check the **'Don't create a Start Menu folder'** option. When you have finished, press the **'Next'** button.



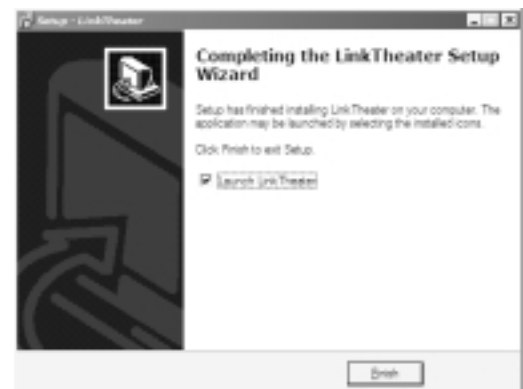
Select the additional tasks from the list. It is recommended to leave the default settings the way they are. Press the **'Next'** button to accept the additional tasks.



Confirm that the installation information is correct and then press the **'Install'** button.



The installation task will take a few moments. When the installation has been completed, press the **'Finish'** button. If you wish to not immediately launch the LinkTheater software, then uncheck the box prior to pressing the **'Finish'** button.



Configuring the LinkTheater Software

The LinkTheater software should be running on your PC at this point. It will run in the system tray and can be configured by double clicking on its icon.



Once the LinkTheater PC Software is visible on your screen, use the pull down menu to select 'Edit' -> 'Preferences'.



General

The General preferences menu will allow you to custom configure the LinkTheater Software. It is not recommended to change any settings under the 'System' tab. Only change the port number if absolutely required to by a network administrator. Unchecking the 'Support for UPnP Media Server' will force you to manually find the LinkTheater PC Software from the LinkTheater device itself. With this option checked, LinkTheater will automatically find your LinkTheater software.



The 'Security' tab allows you to set a password for access to this PC from LinkTheater. Setting a password here will require a user of LinkTheater to input a password every time they want to playback multimedia files that reside on the specific PC. One may wish to do this if there is adult or mature content residing on the PC that should be restricted to children. Please make sure to press the 'Save' button after you have inputted a password, otherwise the password will not be stored.



The **'MAC Address'** tab allows you to specify which LinkTheater can see the specific PC; this is an advanced feature that is not required in most homes. If there are multiple LinkTheaters on your network and you wish to only stream information from this PC to one specific LinkTheater, then please enter the MAC Address of the specific LinkTheater into the MAC Address list by pressing the **'+'** button. Additionally, you will have to check the **'Enable MAC address control'** check box. Multiple MAC addresses can be added if you want this PC to stream information to multiple LinkTheaters.

The MAC Address of the LinkTheater can be found on the rear panel of LinkTheater just above the serial number. The LinkTheater will have two MAC Addresses, one for the Wired Ethernet Port and one for the Wireless Radio. Please enter the MAC Address that corresponds to the way LinkTheater is connected (if unsure, enter both MAC Addresses).



Video

The Video preference menu instructs the LinkTheater PC Software on how to handle video files on your PC. Press the **'Browse'** button to setup a **'Video Library'**. This library will be the folder on this PC that will be accessible by LinkTheater. If you would like to enter more than one folder, then please press on the **'Watch Folder'** tab, check the **'Enable watch folder'** option and add additional folders to that list. Any folder in the watch folder list will also be accessible from LinkTheater.

The **'Enable automatic OpenDiv3 video conversion'** option instructs the LinkTheater Software to automatically convert any unplayable Div3 format file to a playable DivX format. It is recommended to leave this option checked. It is also recommended to leave the **'Check for OpenDiv3 video every 1 minute(s)'** set to 1 minute. This option instructs the software to search for new video to convert every 1 minute.



The **'Remove original file after conversion'** check box instructs the LinkTheater Software to delete the source file after it has converted it into a playable format. It is recommended to leave this box unchecked.

Music

The Music preference menu instructs the LinkTheater PC Software on how to handle music/audio files on your PC. Press the **'Browse'** button to setup a **'Music Library'**. This library will be the folder on this PC that will be accessible by LinkTheater. If you would like to enter more than one folder, then please press on the **'Watch Folder'** tab, check the **'Enable watch folder'** option and add additional folders to that list. Any folder in the watch folder list will also be accessible from LinkTheater. Alternatively, an I-Tunes database can be loaded by pressing the respective **'Browse'** button and selecting the database file.

The **'Scan for song information'** check box should be checked if you want detailed information about the song being played to be searched for. This includes searching ID3 tags and CDDB databases. It is recommended to leave this check box checked.



The **'Scan Windows Media Player / Winamp Playlist'** option lists available playlists inside of the library folder and watch folders.

Photo

The Photo preference menu instructs the LinkTheater PC Software on how to handle photo/image files on your PC. Press the '**Browse**' button to setup a '**Photo Library**'. This library will be the folder on this PC that will be accessible by LinkTheater.

The '**Select photo scale**' options help the photos to look better on LinkTheater's display or TV. Some pictures may be too small or too large to fit properly on your display or TV. These options help to improve the photo viewing experience by scaling their size to fit nicely on your display or TV.

The '**Fit to Screen**' option shrinks or enlarges an image or photo to display it using the full height or width of the TV. This option is recommended for most users.

The '**Full Screen**' option shrinks or enlarges an image or photo to display it using the full height and the full width of the TV; in some cases the image will be cropped or expanded to make it fit. This option is a popular option for users with wide screen HDTVs (16:9).

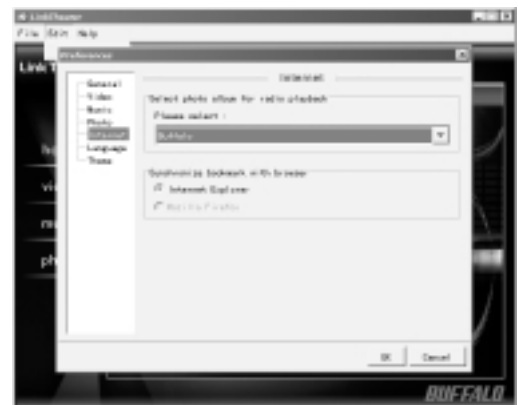
The '**Actual Size**' option displays the image in its exact size and proportions. Often times images will be too large or too small when the '**Actual Size**' option is being used.



Internet

The Internet preference menu instructs the LinkTheater PC Software on how to handle Internet access through this PC. The select a photo album for radio playback selection will be the slide show that plays concurrently when any internet radio site is selected on LinkTheater. The '**None**' option from the pull down menu will instruct LinkTheater to not run any slide show while internet radio is being used.

Synchronize bookmarks instructs LinkTheater on which of the two popular PC browser's bookmark lists should be used for browsing web pages through LinkTheater.



Language and Theme

Both the Language and Theme options currently cannot be changed. English is the only available language for the LinkTheater PC Software, and the Mystery theme is currently the only available theme for LinkTheater.

Once you have configured all of the settings in the LinkTheater PC Software Preferences, press the '**OK**' button.

Anytime you wish to add new files to the PC for file playback on LinkTheater, make sure to insert them in the proper library or watch folder or create a new watch folder by re-entering the preferences menu. The LinkTheater will constantly search for new multimedia files inside the library and watch folders.

After the preferences have been set on the LinkTheater PC Software, other options can be configured by navigating the main interface on your PC to the three available selections (Video, Music, and Photo).

Video

The video screen will now be configured with the videos available from your library and watch folders. By clicking on the check box that says **'Play files randomly'**, LinkTheater will play all of the video files in your library and watch folders randomly.

The option to manually convert a non-playable Div3 file to DivX is also available. You must select a proper file from the screen and press the button to convert the file.



Music

The music screen will now be configured with the audio and music files available from your library and watch folders. By clicking on the check box that says **'Play music in random order'**, LinkTheater will play all of the audio and music files in your library and watch folders randomly.

The option to link a slide show to a music folder is also available. Select a music folder and use the pull down menu labeled **'Photo Album'** to play a slide show while the music in that folder is being played. Different folders can have different photo albums selected.



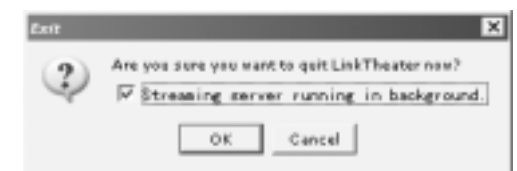
Photo

The photo screen will now be configured with the photo and image files available from your library folder. By clicking on the check box that says **'Play slides in random order'**, LinkTheater will play all of the photo and image files in your library folder randomly.

The option to link a music folder to a slide show is also available. Select a slide show and use the pull down menu labeled **'Playlist'** to play a music folder or playlist while the slide show is being played. Different folders can have different playlists or music folders selected.



Once the LinkTheater PC Software has been configured, you can exit the main control screen. A dialog box will appear instructing on whether you want to keep the application running in the background or not. By leaving the box checked, you're informing the LinkTheater PC Software to run in the background, offering its media content to the LinkTheater. By unchecking the box, you are instructing the LinkTheater PC Software to shutdown completely, making playback of media content from this PC impossible. It is recommended to always leave the application running in the background. Press the **'OK'** button to confirm that the application will run in the background.



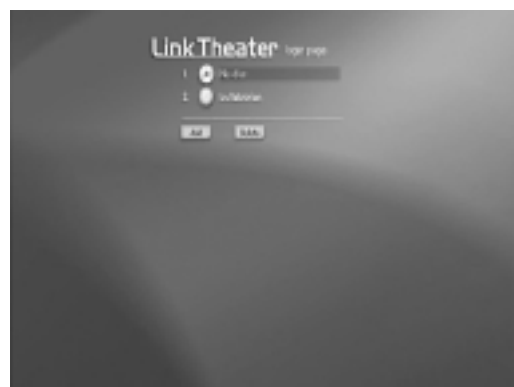
NOTE: The application can always be manually launched from either the desktop icon or the start menu entry. The application can be exited at any time by right clicking on the system tray icon and selecting the **'Exit'** option. By default, the LinkTheater PC Software will start with your PC upon its boot into Windows.

LinkTheater PC Software Playback

Using Buffalo's LinkTheater PC Software provides for the richest, most feature-filled media playback. Now that the LinkTheater PC Software is installed and running, you will be able to stream back any files that are inside the library or watch folders.

Access your PC by pressing the '**HOME**' button on the remote control. The Log In page will appear and the computer will automatically appear on the display or TV. The computer's name will be the same name as its Windows machine name. Use the remote control's directional pad to select the PC and press the '**ENTER**' key on the remote control.

Win98 and WinMe Users: You may be required to add your Win98 or WinMe computer manually. Please see the section labeled "The Log In Screen" to add your PC.



Once you have logged into the PC, a unique LinkTheater screen will be displayed. Please select the type of media you wish to playback. Additionally, the VIDEO, MUSIC, and PHOTO buttons on the remote control can be used to select the media type. At any time while browsing the PC's files the VIDEO, MUSIC, and PHOTO buttons can be pressed to quickly change the media types listed.



Video Playback

Press the '**ENTER**' button to play a video file on LinkTheater. During the video the '**PAUSE**' button will pause the video's playback (the '**PLAY**' button will resume the video). The '**REW**' and '**FF**' buttons will rewind and fast forward the video. The '**STOP**' button will stop the video playback altogether.

On the top of the display, there are three buttons:

Go to – Displays a prompt where the number corresponding to the video can be entered for immediate playback. For instance, if the video labeled 6 is to be played, pressing the '**Go to**' button and entering 6 will immediately begin video playback of the file labeled 6.

Search – Displays a search field to assist you in locating a specific file. Once at the search field, enter the title or any portion of the title into the field using the 10 key text entry of the remote control. Once completed, press the '**Search**' button. Once the search has completed, the matching results will be listed.

Play all – Plays all of the files inside of the current folder and subfolders in alphabetical order.

Back – Jumps back to the previous location or folder.



If there are several files in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the display. Alternatively, the '**PREV**' or '**NEXT**' buttons on the remote will change pages.

Photo Playback

Press the '**ENTER**' button to display a photo on LinkTheater. Press the '**PLAY**' button to play all of the photo files in that directory as a slide show. During the slide show the '**PAUSE**' button can be used to stop a slide show (the '**PLAY**' button will resume the slide show). The up and down arrows on the directional pad can also be used to change slides. The '**STOP**' button will stop the slide show.

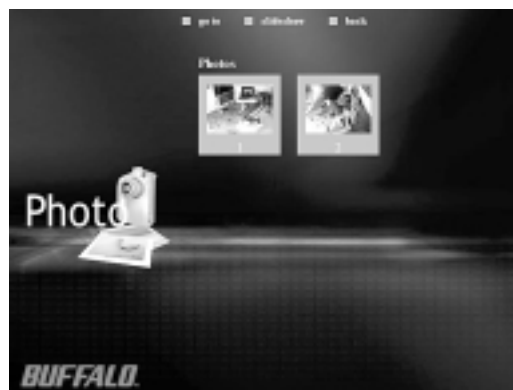
On the top of the display, there are three buttons:

Go to – Displays a prompt where the number corresponding to the photo can be entered for immediate playback. For instance, if the photo labeled 6 is to be played, pressing the '**Go to**' button and entering 6 will immediately begin photo viewing of the file labeled 6.

Slide show – Displays all of the images inside of the current folder and subfolders in an alphabetical slide show.

Back – Jumps back to the previous location or folder.

If there are several files in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the display. Alternatively, the '**PREV**' or '**NEXT**' buttons on the remote will change pages.



Music Playback

Press the '**ENTER**' button to play a music file on LinkTheater. Press the '**PLAY**' button to play all of the music files in that directory as a playlist. The '**PAUSE**' button can be used to pause music playback (the '**PLAY**' button will resume the playback). The '**PREV**' and '**NEXT**' buttons on the remote control can be used to skip to the next song, and the '**REW**' and '**FF**' buttons can be used to rewind and fast forward a music file. The '**STOP**' button can be used to stop playback altogether.

On the top of the display, there are four buttons:

Go to – Displays a prompt where the number corresponding to the music file can be entered for immediate playback. For instance, if the music file labeled 6 is to be played, pressing the '**Go to**' button and entering 6 will immediately begin music playback of the file labeled 6.

Search – Displays a search field to assist you in locating a specific file. Once at the search field, enter the title or any portion of the title into the field using the 10 key text entry of the remote control. Once completed, press the '**Search**' button. Once the search has completed, the matching results will be listed.

Play all – Plays all of the files inside of the current folder in alphabetical order.

Back – Jumps back to the previous location or folder.



Music can be sorted by library, album, artist, or genre by using the four buttons at the bottom of the display. Navigate to bottom of the display using the remote control's directional pad.

If there are several files in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the display. Alternatively, the '**PREV**' or '**NEXT**' buttons on the remote will change pages.

Internet

The Internet portion of the PC Software allows you to do a number of different things. The PC with the LinkTheater PC Software installed on it will need to be connected to the internet for these features to work properly. The Internet option can be sorted by web, directory, or radio sites by pressing on one of the three buttons at the bottom of the display. Navigate to the bottom of the display using the remote control's directional pad.

Web

The web function pulls your bookmarks from your respective web browser (Internet Explorer or Mozilla FireFox). Navigate to one of your folders or bookmarks and press the **'ENTER'** button on the remote control. The web page for the book mark will then load on the display. The **'RETURN'** button on the remote control will return you back to the original bookmark list. From within a web page the remote control's directional pad may be used to navigate the page and to select hyperlinks. Pressing the **'ENTER'** button on a hyperlink will bring up the linked web page on the display.



Directory

The directory function lists common web sites listed by their category. Navigate through the directory by using the remote control's directional pad, then press the **'ENTER'** button to select a folder or directory site.



Radio

The radio function lists preset internet radio stations that are available. Use the remote control's directional pad to navigate to a genre of music you'd like to listen to. Press the **'ENTER'** button to list the specific radio stations that cater to that genre. The size of the stream is listed after the station in parenthesis. For instance, (128k) means the stream uses a 128 kbps stream. To stop a radio station from playing, press the **'STOP'** button on the remote control.

If there are several bookmarks or items in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the display. Alternatively, the **'PREV'** or **'NEXT'** buttons on the remote will change pages.



To exit back to the main Log In page, press the **'HOME'** button on the remote control after all file playback has been stopped.

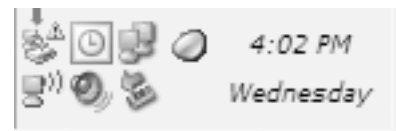
Windows Media Connect Setup

Windows Media Connect is available only on Windows XP systems. It's Microsoft's software that streams multimedia content to devices like LinkTheater. Currently it is the only way to transmit DRM (Digital Right's Management) protected multimedia files from a PC to a device like LinkTheater. If you do not own any DRM protected multimedia files then setting up Windows Media Connect is not necessary. Windows Media Connect supports playback of DRM protected files that use the WinDRM codec. Currently, the LinkTheater only supports playback of DRM protected files that use the WinDRM codec (this includes [napster.com](http://www.napster.com), [walmart.com](http://www.walmart.com), [movielink.com](http://www.movielink.com), [cinemanow.com](http://www.cinemanow.com) and other sources).

Please determine whether or not Windows Media Connect is already installed on your Windows XP system. Please open the Control Panel and locate '**Windows Media Connect**'. Depending on your Windows XP visual settings, you may need to expand your Control Panel view to include all available control panel items. If the '**Windows Media Connect**' icon is present, double click on it to launch it. If the icon is not present, please download it from Microsoft's site by searching for Windows Media Connect or download it easily from Microsoft's Window's Update (<http://windowsupdate.microsoft.com>). After the installation, search for the Windows Media Connect icon in Control Panel and double click on it.



Windows Media Connect software will appear on your display. Windows Media Connect operates out of your system tray, double click on its icon at any time to display the program.



Once Windows Media Connect is running and displayed on your screen, the '**Devices**' page will be displayed. The first step is to press the '**Add...**' button.



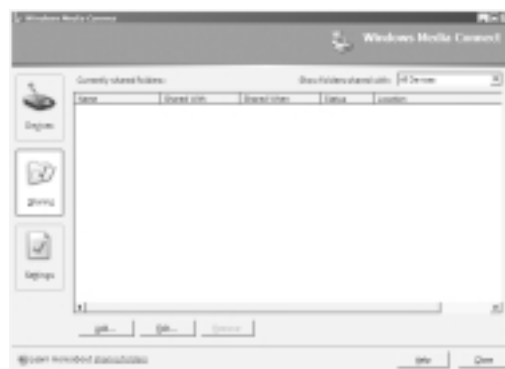
The Windows Media Connect Wizard will open. Select '**Device 1**' from the list and press the '**OK**' button. If more than one device was listed then multiple media players are available on your network; in this case we recommend adding all of them or determining which one is the specific LinkTheater being used by turning LinkTheater on or off and seeing how the list is affected.



The device will then be added to the list of support devices.
Your Windows XP machine can now stream media to LinkTheater.



Press on the **'Sharing'** tab to the left



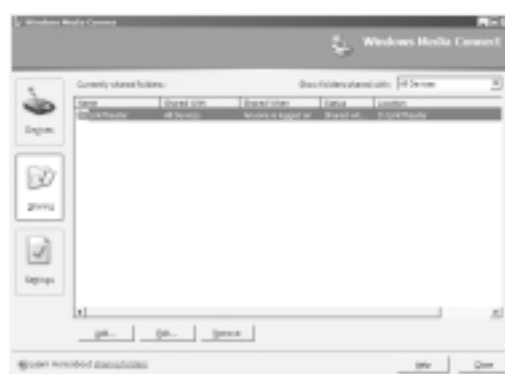
Press the **'Add'** button to specify a folder to share to LinkTheater.

Browse to a folder that contains data you would like to share with LinkTheater by pressing the **'Browse'** button. Give it a name that you would recognize and select the privacy settings that apply to your environment (the default values are acceptable in most cases). Press the **'OK'** button when finished. Press **'Yes'** if any dialog boxes appear.



Add as many folders as you would like to share with your LinkTheater. Repeat the previous step as many times as necessary.

Press on the **'Settings'** tab to the left



It is recommended to check the check box **'Automatically start folder sharing when Windows starts.'** This check box instructs Windows Media Connect to run every time Windows is started. If you prefer to launch it manually, then leave the box unchecked, but if you want to use Windows Media Connect on LinkTheater you will have to remember to manually launch it via the Control Panel. Press the **'Close'** button once you are finished. Congratulations, Windows Media Connect is setup and running on your Windows XP PC.



Windows Media Connect Playback

Now that Windows Media Connect is installed on your Windows XP PC(s), you can access media files that reside in the Windows Media Connect shared folders.

Access your Windows Media Connect PC by pressing the 'HOME' button on the remote control. The Log In page will appear and a computer will automatically appear on the display or TV. The format of the name is `COMPUTER_NAME : Windows Media Connect` (where `COMPUTER_NAME` is the machine name of the Windows XP computer). Use the remote control's directional pad to select the Windows Media Connect PC and press the 'ENTER' key on the remote control.



You have just connected LinkTheater to the Windows Media Connect PC. Windows Media Connect organizes your multimedia files automatically and depending on your Windows Media Connect configuration, your screen may look different,

Using the remote control's directional pad, browse through the folders and subfolders to find the file your wish to view or play. Once you have located the file, press the 'ENTER' button to begin viewing or playing the file.



Video Playback

Press the 'ENTER' button to play a video file on LinkTheater. During the video the 'PAUSE' button will pause the video's playback (the 'PLAY' button will resume the video). The 'REW' and 'FF' buttons will rewind and fast forward the video. The 'STOP' button will stop the video playback altogether.

Photo Playback

Press the 'ENTER' button to display a photo on the LinkTheater. Press the 'PLAY' button to play all of the photo files in that directory as a slide show. During the slide show the 'PAUSE' button can be used to stop a slide show (the 'PLAY' button will resume the slide show). The up and down arrows on the directional pad can also be used to change slides. The 'STOP' button will stop the slide show. Additionally, the 'ANGLE' button on the remote control will rotate an image or photo 90 degrees.

Music Playback

Press the 'ENTER' button to play a music file on the LinkTheater. Press the 'PLAY' button to play all of the music files in that directory as a playlist. The 'PAUSE' button can be used to pause music playback (the 'PLAY' button will resume the playback). The 'PREV' and 'NEXT' buttons on the remote control can be used to skip to the next song, and the 'REW' and 'FF' buttons can be used to rewind and fast forward a music file. The 'STOP' button can be used to stop playback altogether.

Windows Media Connect lists and organizes files automatically; there are often extra folders that must be entered before file playback can occur. There is no way to change or speed the process up, it is automatically sorted via Windows Media Connect.

To exit back to the main Log In page, press the 'HOME' button on the remote control after all file playback has been stopped.

LinkStation Compatibility with LinkTheater

Buffalo's LinkStation – Network Storage Center can easily playback files contained on it to LinkTheater. If you do not have a Buffalo LinkStation or do not wish to playback files from your Buffalo LinkStation, then please skip to the next section.

For LinkStation to stream multimedia files to the LinkTheater, a LinkStation firmware that supports '**PCast**' is required. Some older LinkStations may not contain a firmware that supports '**PCast**'. If that is the case then please proceed with updating the LinkStation's firmware (instructions below). If you are unsure of whether your LinkStation supports '**PCast**', then please follow the following instructions.

Login to your LinkStation's Web Based Configuration. This is typically done by typing <http://NAME-OF-LINKSTATION> into your web browser (where NAME-OF-LINKSTATION is the name you gave LinkStation during setup). A login prompt will appear asking you for user credentials to login to your LinkStation. If your LinkStation cannot be found, please consult the documentation that came with LinkStation or contact our free 24x7 Technical Support.

At the login prompt, enter the proper username and password. The username is always root and there is no password by default. However, if you setup a password during your initial LinkStation setup, then you must enter it in the password field. Once the proper information has been entered, press the '**OK**' button.



Once logged in, the main LinkStation configuration page will appear. At the bottom of the page there might be a PCast configuration area. If there is a configuration area named '**PCast**', then you do not need the firmware update and you can skip the firmware update procedure and continue to the '**Configuration of LinkStation**' section. If no '**PCast**' configuration area exists, then you will need to follow the next step, upgrading the firmware.



Upgrading LinkStation's Firmware to Support PCast

Power cycle your LinkStation by holding the power button down until the POWER lamp begins to blink. Once the POWER lamp stops blinking the device is off. Please wait 5 seconds and then press the power button. The POWER lamp will begin to blink again signifying the startup process. Once the POWER lamp becomes solid, LinkStation has successfully restarted.

Insert the Buffalo LinkTheater CD into a PC's CD-ROM or DVD-ROM drive. The CD will auto-launch and bring up an on-screen menu. If the CD does not auto launch, press on the 'Start Menu', press the 'Run . . .' option, and type **X:\setup.exe** (where X is the drive letter of your CD-ROM device).



Once the CD-ROM has launched, an on-screen menu will be visible. Please select the, '**Upgrade LinkStation Firmware**' option and press '**OK**'.

The LinkTheater update menu will appear. There are 2 different updaters available for LinkStation. Due to multiple LinkStation models present in the market, you will need to select the proper updater to update your LinkStation. Fortunately, only the correct updater will work so you can attempt either one and if it doesn't work, then you know the other updater is the proper one.



Update #1 – Updater for version 1.xx LinkStations. 1.xx LinkStations started shipping in late 2003 all the way up to early 2005.

Update #2 – Updater for version 2.xx LinkStations. 2.xx LinkStations started shipping around early 2005.

Please select the updater that you think most closely describes your LinkStation. If you are unsure, start with Update #1.

Once you press an update button, the updater program will automatically launch. It will begin by searching for available LinkStations on your network. Update #1 will only find 1.xx version LinkStations while Update #2 will only find 2.xx version LinkStations. Thus, if the first updater you try does not find your LinkStation, then simply exit the updater and use the other updater.

Once the proper updater has been selected, the updater will find all of the available LinkStations on your network. If more than one LinkStation resides on your network, then please select the appropriate LinkStation from the pull down menu. Once the proper LinkStation has been selected, press the '**Renew Firmware**' button.



A status screen will appear showing the existing version of LinkStation and the new version this firmware file supports. A password field is also present, please enter the LinkStation's administrator password into that field if you set one. If no password was set, then leave the password field blank. Press the '**OK**' button when you are finished.



The firmware update process will take 3-5 minutes and you will be greeted by a dialog box informing you when the firmware update has completed. If you have any problems updating the firmware, please contact our free 24x7 Technical Support.

Configuration of LinkStation

Login to your LinkStation's Web Based Configuration. This is typically done by typing <http://NAME-OF-LINKSTATION> into your web browser (where NAME-OF-LINKSTATION is the name you gave LinkStation during setup). A login prompt will appear asking you for user credentials to login to your LinkStation. If your LinkStation cannot be found, please consult the documentation that came with LinkStation or contact our free 24x7 Technical Support.

Once logged into the main configuration page, press on the '**LinkTheater Settings**' option on the bottom of the main page. Please see the highlighted section of the image at right:



Once you have reached the LinkTheater Settings page you will be required to setup the following options:
Media Server Function: Enable or Disable the ability for LinkTheater to playback files stored on this LinkStation.

Media Folder: Select the share or folder from the pull down menu that will be shared from this LinkStation to your LinkTheater(s). Only one folder or share can be selected on a LinkStation. Please select a folder that contains all of the files and subfolders you desire LinkStation to share with LinkTheater.

Media Folder Password: If enabled, you will be required to enter a password before files can be streamed from this LinkStation to LinkTheater. If this setting is enabled, then you will be required to enter a password twice into the next two fields.

Once you have finished making changes, press the '**Apply**' button to store the new settings on LinkStation. You may now close the Web Browser used for configuring the LinkStation.

The LinkStation supports UPnP, therefore, the next time you start LinkTheater this LinkStation will automatically appear on the Log In screen ready for you to stream multimedia files from. Pressing the '**REFRESH**' button on the remote control from the Log In page will show the LinkStation without restarting LinkTheater.

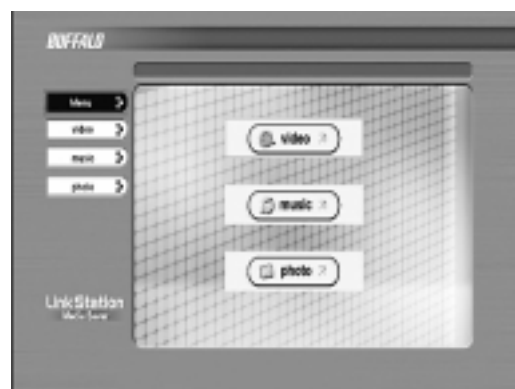
LinkStation Playback

Now that your LinkStation has been configured with PCast support, you will be able to stream media files from LinkStation to LinkTheater.

Access LinkStation by pressing the 'HOME' button on the remote control. The Log In page will appear and a new device will automatically appear on the display or TV. The name of the LinkStation will appear. Use the remote control's directional pad to select the LinkStation and press the 'ENTER' key on the remote control.



Once you have logged into the LinkStation, a unique LinkStation Media Server will start. Please select the type of media you wish to playback. Additionally, the VIDEO, MUSIC, and PHOTO buttons on the remote can be used to select the media type. At any time while browsing the LinkStation share and subfolders the VIDEO, MUSIC, and PHOTO buttons can be pressed to quickly change media types listed.



Video Playback

Press the 'ENTER' button to play a video file on LinkTheater. During the video the 'PAUSE' button will pause the video's playback (the 'PLAY' button will resume the video). The 'REW' and 'FF' buttons will rewind and fast forward the video. The 'STOP' button will stop the video playback altogether.

On the top of the LinkStation Media Server display, there are three buttons:

Play all – Plays all of the files inside of the current folder in alphabetical order.

Play randomly – Plays all of the files inside of the current folder in random order.

Back – Jumps back to the previous location or folder.

If there are several files in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the LinkStation Media Server display. Alternatively, the 'PREV' or 'NEXT' buttons on the remote will change pages.

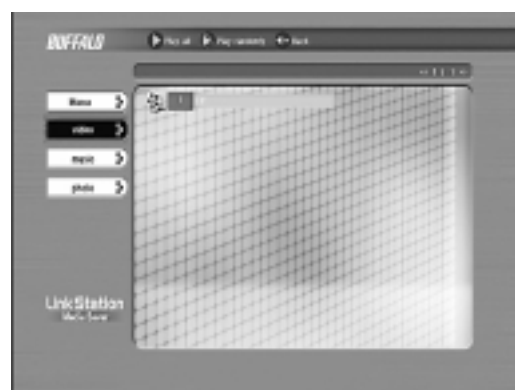


Photo Playback

Press the **'ENTER'** button to display a photo on the LinkTheater. Press the **'PLAY'** button to play all of the photo files in that directory as a slide show. During the slide show the **'PAUSE'** button can be used to stop a slide show (the **'PLAY'** button will resume the slide show). The up and down arrows on the directional pad can also be used to change slides. The **'STOP'** button will stop the slide show. Additionally, the **'ANGLE'** button on the remote control will rotate an image or photo 90 degrees.

On the top of the LinkStation Media Server display, there are three buttons:

Slide show – Displays all of the images inside of the current folder in an alphabetical slide show.

Play randomly – Displays all of the images inside of the current folder in a random slide show.

Back – Jumps back to the previous location or folder.

If there are several files in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the LinkStation Media Server display. Alternatively, the **'PREV'** or **'NEXT'** buttons on the remote will change pages.



Music Playback

Press the **'ENTER'** button to play a music file on the LinkTheater. Press the **'PLAY'** button to play all of the music files in that directory as a playlist. The **'PAUSE'** button can be used to pause music playback (the **'PLAY'** button will resume the playback). The **'PREV'** and **'NEXT'** buttons on the remote control can be used to skip to the next song, and the **'REW'** and **'FF'** buttons can be used to rewind and fast forward a music file. The **'STOP'** button can be used to stop playback altogether.

On the top of the LinkStation Media Server display, there are three buttons:

Play all – Plays all of the files inside of the current folder in alphabetical order.

Play randomly – Plays all of the files inside of the current folder in random order.

Back – Jumps back to the previous location or folder.

If there are several files in the folder, you may be required to switch between pages. Pages can be switched by manually navigating to the arrows in the top right area of the LinkStation Media Server display. Alternatively, the **'PREV'** or **'NEXT'** buttons on the remote will change pages.



To exit back to the main Log In page, press the **'HOME'** button on the remote control after all file playback has been stopped.

TeraStation Compatibility

LinkTheater is compatible with TeraStation in the same way that LinkTheater is compatible with LinkStation. At the time of printing, TeraStation information was not available for this manual. If you own a TeraStation, please consult its documentation and web site for information on configuring it for use with LinkTheater. The configuration and usage processes will be very similar to LinkStation's.

Future Capabilities

Due to the extensiveness of multimedia and LinkTheater, there are several planned updates for the near future. Please check the Buffalo Technology web site (<http://www.buffalotech.com>) to determine if new updates are available for LinkTheater. Here are some of the planned upgrades:

- ▶ More audio and video codec support
- ▶ More DRM-protected content playback
- ▶ Direct downloading/streaming of content directly through LinkTheater
- ▶ Partnerships with leading content providers to make the LinkTheater experience easier and more entertaining
- ▶ Third party custom applications, such as iTunes Top 10, News Today, Movie Store, Music Store, etc.

Troubleshooting

The troubleshooting section answers some Frequent Asked Questions (FAQ). If problems still persist, please contact our free 24x7 technical support.

Q: What file formats can I use with LinkTheater

A: LinkTheater is able to play the following type of files:

Video Files - dat, mpg, mpe, mpeg, m2v, m1v, vob, avi, asf, divx, xvid, rmp4, mov, mp4, vro, m4v, m2p, hnl, wmv, wmv hd, divx hd

Audio Files - mp3, mp2, ogg, wav, aac, wma, pls, m4a, ac3, mp1, mpa, asf, m3u

Picture Files - jpg, gif, bmp, tif, png

Q: I can't access the LinkTheater PC software from LinkTheater

A: Check the following:

1. Check Computer – Check that your computer is on and is not in “sleep” mode.
2. Check the path settings for media content – Confirm that you have placed your media content in the correct folders you have assigned in the preferences of the LinkTheater PC software.
3. Check computer's connection on the home network – Ensure that your computer is physically connected to your home network (or wirelessly connected). If your home network includes a shared internet connection, check your computer's connection by trying to browse to the internet.
4. Check LinkTheater's connection on the home network – Ensure that LinkTheater is connected to the home network. This can be done by checking if a proper IP Address has been assigned to LinkTheater (IP Address tab of LinkTheater's main settings).
5. Check that the LinkTheater PC software is running – Check that the LinkTheater PC software is running on your computer. Check for the icon running in the system tray.
6. Check network security/firewall software – Some network security or firewall software may prevent the LinkTheater PC software from operating properly. Try disabling the network security/firewall software.
7. Check that you're logged into your Windows PC – If your computer is running Windows 2000 or Windows XP, make sure you have signed in.

Q: I can't hear any sound from LinkTheater

A: Check the following:

1. Check the volume and power to the speakers – Make sure that your television or sound system is powered on, and that the volume is at an acceptable level. Some sound systems allow you to choose the speakers to use for output. Please ensure the correct speakers are selected.
2. Check connections – If LinkTheater is connected to any home entertainment equipment, please check that the cables are connected properly and firmly.
3. the video and/or song file – Make sure that the content you are playing has working audio. Test the content for audio playback on your PC. Also, make sure the audio format used is supported by LinkTheater.

Q: I don't see any video, music, or photos on the LinkTheater

A: Check the following:

1. Check that video, audio, or photo content is available on the resource you are accessing.
2. Check that the video, audio, or photo file is playable on your PC.
3. Check that the LinkTheater PC Software is configured properly and that the multimedia content is residing in the configured library and watch folders.

Q: I changed some of the video, music, or photo content on a resource but I can't see the changes on LinkTheater

A: Press the "Refresh" button on the remote control to refresh the page. Also, try toggling the video, music, or photo buttons on the remote control.

Q: LinkTheater responds slowly when I watch a movie, browse photos, or listen to music

A: Check the following:

1. Publish multiple folders – If there are a large number of files placed in a folder, navigating through the folder may be slow. Try creating more folders with less content in each folder.
2. Remove unusable files – Move files that are not known to be digital content. Non-supported file formats may not be seen on LinkTheater but they are still processed and filtered by LinkTheater which may slow down LinkTheater response times.
3. Check PC performance – Check the performance of the PC. Try installing the software on a faster PC if available.

Technical Specifications

Product Specifications

Supporting OS	Win. Me, 2000 Professional, XP Home and Professional
Package Contents	LinkTheater, Video/Analog Audio Cable (about 150cm), LAN cable (about 180cm), Power cable (about 180cm), Installation Manual, Utility CD-ROM, Remote Control, 2 Batteries (AAA)
Driver and Utilities	Media Server Software
Power Source	AC100V 50/60 Hz
The Actual Product	5 V, 12 V
Cycling Voltage	
Power Consumption	Max. 25 W (at Standby 1 W)
Dimensions	420 x 50 x 265 mm
Weight	About 2.7 kg
Warranty	1-year warranty
Acquired Regulations	UL, FCC, CE, PSE, VCCI ClassBP
Multi-Format Playback (Playable Disc Types)	DVD-R/RW, DVD+R/RW, DVD-ROM, CD-R/RW, CD-ROM
Content Formats	Disc Contents Formats (Media): DVD-Video, Video CD, Super Video CD, Audio CD (CD-DA) File/Contents Formats (Media): Digital Audio File Formats: MP3, WMA, Ogg, WAV (non-compiled) Picture File Formats: JPEG, GIF, TIF, BMP, PNG AVI File Formats: DivX (Ver. 3.11.4.5), RMP4, XviD+MP3/AC3 Video File Formats: MPEG-1, MPEG-2, WindowsMediaVideo9
Video Formats	Digital Video Compression Formats: MPEG-2 (DVD-Video, Super Video CD, *.MPG file) – Max. Bit Rate: 15Mbps, Frame Rate: Max. 30fps MPEG-1 (Video CD, *.DAT file) – Max. Bit Rate: 15Mbps, Frame Rate: Max. 30fps MPEG-4 (*.AVI file, *.MP4 file) – Max. Bit Rate: 4Mbps (DivX), 5Mbps (RMP4), 8Mbps (XviD), Frame Rate: Max. 30fps Windows Media Video (*.WMV file, *.ASF file) – Max. Bit Rate: 8Mbps, Frame Rate: Max. 30fps Digital Audio Compression Formats: Dolby Digital (AC-3) Multi-Channel (Digital Output Only, No Decoding Feature) DTS Multi-Channel (Digital Output Only, No Decoding Feature) MPEG-1 Audio Layer 1 2 Channel MPEG-1 Audio Layer 2 Multi-Channel MPEG-1 Audio Layer 3 2 Channel MPEG-4 AAC (Low Complexity) 5.1 Channel Windows Media Audio 9 (HD) 2 Channel Digital Audio Non-Compression Formats: Renear PCM 2 Channel, (S/P DIF) 16/20/24 bit, 44.1/48/96kHz
Audio Formats	CD-DA, Renear PCM (*.WAV), Ogg Vorbis (*.OGG), MPEG-1 Audio Layer-3 (*.MP3), Windows Media Audio (*.WMA), MPEG4-AAC (*.M4A)
Picture Formats	JPEG (Baseline JPEG only), GIF, TIFF, BMP, PNG
File Extensions	Video Files - dat, mpg, mpe, mpeg, m2v, m1v, vob, avi, divx, xvid, rmp4, mov, mp4, vro, m4v, m2p, (in network mode) hnl, wmv Audio Files - mp3, mp2, ogg, wav, aac, wma, pls, m4a, ac3, mp1, mpa, asf Picture Files - jpg, gif, bmp, tif, png
File Extensions (via LinkStation)	Video Files - dat, mpg, mpe, mpeg, m2v, m1v, vob, avi, divx, xvid, rmp4, mov, mp4, vro, m4v, m2p, hnl, wmv Audio Files - mp3, mp4, ogg, wav, aac, wma, ac3, m4a, aac, asf Picture Files - jpg, gif
Video Output Signals	DA Converter – 12bit/54 MHz Composite Video – 1.0Vp-p / 75 Ω S Video – Y Output: 0.7Vp-p / 75 Ω; C Output: 0.3Vp-p / 75 Ω Progressive/Scan – Y Output: 1.0Vp-p / 75 Ω; Pb Output: 0.7Vp-p / 75 Ω; Pr Output: 0.7Vp-p / 75 Ω

Product Specifications continued

Audio Output Signals	DA Converter – 24bit/192 MHz	
	Signal Noise	≥90 dB (1kHz)
	Dynamic Range	≥80 dB (1kHz)
	Mixed Noise	≥80 dB (1kHz)
Rear Panel Input/Output	Crack/Noise	≥-65 dB (1kHz)
	Video Output, S-Video Output, Component Video Output (Progressive Scan), D4 Video Output,	
	Composite Audio Output, Composite Video Output, Digital Audio Output, Digital Coaxial Audio	
	Output, Ethernet Port (100 Base-TX / 10Base-T), AC Adapter Input	

Network Interface (Wired)

Interface	(10BASE-T) IEEE802.3, (10BASE-TX) IEEE802.3u
Supporting Protocol	TCP/IP (HTTP) Setup Features, AppleTalk
Connector Type	RJ-45 8 pin (NIC mode) x 1
Access Method	CSMA/CD
Transfer Rate	(Auto Sensing) 10 Mbps 100 Mbps

Network Interface (Wireless)

Standards	IEEE802.11g/IEEE802.11b; ARIB STD-T66
Frequency	2,412 - 2,472 MHz (11channel)
Data Transfer Rate	6, 9, 12, 18, 24, 36, 48, 54 Mbps (IEEE802.11g); 1, 2, 5.5, 11 Mbps (IEEE802.11b)
Access Method	Infrastructure Mode
Antenna Internal	Diversity Antennas x 2
AOSS Technology	AOSS button x 1 (on the front panel)
Security	WEP 128 (104) / 64 (40) bit (Security can be set up by AOSS technology when you have a Buffalo AOSS enabled router or access point.)

USB Interface

Interface	USB2.0/1.1
Controller	VIA VT6212L
Data Transfer Speed	480 Mbps
Connector Type	Series A x 1 (Front x 1)

DVD-ROM

Interface	ATAPI
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Buffalo Warranty

Buffalo Technology (Buffalo Inc.) product comes with a one-year limited warranty from the date of purchase. Buffalo Technology (Buffalo Inc.) warrants to the original purchaser the product; good operating condition for the warranty period. This warranty does not include non-Buffalo Technology (Buffalo Inc.) installed components. If the Buffalo product malfunctions during the warranty period, Buffalo Technology (Buffalo Inc.) will replace the unit, provided the unit has not been subjected to misuse, abuse, or non-Buffalo Technology (Buffalo Inc.) authorized alteration, modifications or repair.

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Buffalo Technology (USA), Inc. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. With its expansion into the U.S. retail market, Buffalo offers home users a full suite of wireless home networking solutions such as its award-winning line of AirStation 54g products; its 125* High-Speed Mode™ 802.11g products; and its versatile line of 802.11a/b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment.

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